

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3148860	groove channel gap	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:52
L2	64	(US-20070214988-\$ or US-20020066491-\$ or US-20030029603-\$). did. or (US-6868782-\$ or US-6810800-\$ or US- 6688223-\$ or US- 6460611-\$ or US- 6436022-\$ or US- 6105651-\$ or US- 5784957-\$ or US- 5595115-\$ or US- 5235912-\$ or US- 5226365-\$ or US- 5074213-\$ or US- 4955268-\$ or US- 4617864-\$ or US- 3780796-\$ or US- 3406748-\$ or US- 5168808-\$ or US- 5948448-\$ or US- 5676754-\$ or US- 5571563-\$ or US- 5292298-\$ or US- 4252184-\$ or US- 4090553-\$ or US- 4071081-\$ or US- 6675876-\$ or US- 4658486-\$ or US- 7568428-\$).did. or (US- 6821237-\$ or US- 6708407-\$ or US- 3659347-\$ or US- 6085437-\$ or US- 6397489-\$ or US- 3562489-\$ or US- 5887644-\$ or US- 5111564-\$ or US- 4285107-\$ or US- 4074750-\$ or US- 5404936-\$ or US- 6683284-\$ or US- 6129652-\$ or US- 5549154-\$).did. or (US- 3143637-\$ or US- 2875985-\$ or US- 3336648-\$ or US-	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2009/09/04 15:53

		1790700-\$).did. or (WO-9632536-\$).did. or (DE-19647067-\$ or GB-2207636-\$ or DE- 3819391-\$ or DE- 4036121-\$ or DE- 4119824-\$ or DE- 4119825-\$ or DE- 4212790-\$ or DE- 10305594-\$ or DE- 19957847-\$ or DE- 19957943-\$ or EP- 179363-\$ or EP- 557245-\$ or EP- 652104-\$ or WO- 0126902-\$ or WO- 0126903-\$ or DE- 10139821-\$).did.				
L3	36	1 and 2	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:53
L4	265	Becker-Martin.in. Schafer-Karl-Robert.in. Schneider-Georg.in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 17:35
S1	1	"20070214988".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/02 14:42
S2	14	("3780796" "4617864" "4955268" "5074213" "5226365" "5235912" "5595115" "5784957" "6105651" "6436022" "6460611" "6688223" "6810800" "6868782").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/02 14:44
S3	2	("3406748").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/02 14:45
S4	6	("20020066491" "3143637" "5168808" "5948448" "6810800").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/02 14:45
S5	0	de-629700-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 14:48
S6	1	de-19647067-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 14:49

S7	1	de-3726820-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 11:59
S8	1	de-3819391-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:00
S9	2	de-4036121-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:00
S10	1	de-4119824-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:07
S11	1	de-4119825-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:07
S12	2	de-4212790-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:08
S13	0	de-9306176-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:08
S14	0	"de-9306176.5-".\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:08

S15	2	"de-10305594-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:09
S16	1	"de-19647067-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:09
S17	2	"de-19957847-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:09
S18	2	"de-19957943-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:10
S19	0	"de-861642-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:10
S20	0	"de-929830-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:10
S21	0	"de-2055584-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:11
S22	1	"ep-179363-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:11

S23	2	"ep-557245-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:12
S24	1	"ep-652104-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:12
S25	1	"wo-0126902-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:13
S26	1	"wo-0126903-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:13
S27	2	"wo-9632536-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:14
S28	2	"de-10139821-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:14
S29	0	"jp-1249449-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:15
S30	0	"jp-49741-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:15

S31	0	"de-137401-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:15
S32	0	"de-1501622-"\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/03 12:15
S33	90873	"101"\$.ocls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 12:16
S34	87847	"165"\$.ocls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 12:16
S35	80	S33 and S34	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 12:16
S36	456	492/46.ocls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 12:16
S37	17	("2875985" "3847212" "4071081" "4090553" "4252184" "4617864" "5292298" "5571563" "5595115" "5676754" "5784957" "5881643" "6109177" "6688223").PN. OR ("6810800").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 12:41
S38	28	("2677899" "3838734" "4050510" "4069594" "4077466").PN. OR ("4252184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 15:31
S39	14	("2068779" "2367578" "2793006" "2956348" "3752227" "4252184" "4913224" "5179770" "5484370").PN. OR ("6675876").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 15:33
S40	8	("20070214988" "4090553" "4252184" "4593744" "5404936" "5592882" "6436022" "6688223").PN. OR ("7568428").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 15:35

S41	33	("1651502" "1900556" "2902774" "2908486" "3100631" "3282332" "3965974").PN. OR ("4090553").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 15:37
S42	5	("1651502").URPN.	USPAT	OR	ON	2009/09/03 15:40
S43	19	("3457618" "3668752" "4517719" "4608737" "4640808" "4823102" "4985972" "5030937" "5938579").PN. OR ("6105651").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:11
S44	11	("20020088120" "4261112" "5252185" "5369884" "5967958" "6032725" "6039681" "6100508" "6105651" "6158501" "6398700").PN. OR ("6821237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:13
S45	14	("20020088120" "4261112" "5106576" "5252185" "5369884" "5403670" "5623726" "5967958" "6032725" "6039681" "6100508" "6105651" "6158501" "6398700").PN. OR ("6708407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:14
S46	3	S45 not S44	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:14
S47	22	("1790700" "1818387" "1884612" "2793006" "2936158" "3135319" "3659347" "3914875" "4635710").PN. OR ("4955268").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:17
S48	11	("1215236" "2209759" "2299662").PN. OR ("3659347").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:18

S49	17	("2299662" "3659347" "3822485" "3968572" "4155177" "4194299" "4442876" "4462868" "4955268" "5079853" "5416979" "5830321" "5842285" "6085437" "6161302" "6185836").PN. OR ("6397489").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:18
S50	13	("3135319").URPN.	USPAT	OR	ON	2009/09/03 17:18
S51	17	("2936158").URPN.	USPAT	OR	ON	2009/09/03 17:23
S52	29	S36 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 17:30
S53	11	("2374194").URPN.	USPAT	OR	ON	2009/09/03 17:33
S54	11	("4520723" "4757584" "4864703" "4915510").PN. OR ("5111564").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 18:11
S55	7	("3336648").URPN.	USPAT	OR	ON	2009/09/03 18:26
S56	922	165/89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 18:28
S57	23	S56 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 18:28
S58	817	S56 not (S36 S57)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 18:28
S59	90873	"101"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 22:03
S60	456	492/46.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 22:03
S61	922	165/89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 22:03
S62	23	S61 and S59	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 22:03
S63	817	S61 not (S60 S62)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 22:03
S64	1	("1790700").URPN.	USPAT	OR	ON	2009/09/03 23:00
S65	541	101/487.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 07:14
S66	3213078	temperature thermal thermally	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:33

S67	2152690	roll roller cylinder	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:33
S68	90873	"101"/\$ ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:34
S69	1896	(S66 near5 S67) and S68	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:34
S70	5176616	control\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:34
S71	605	(S66 with S67 with S70) and S68	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:34
S72	24	(S66 and S67).ti. and S68	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 08:35
S73	239	101/480.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:18
S74	37	(S73 and S66) not S65	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:19
S75	197	S73 not (S74 S65)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:30
S76	1238	101/216.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:31
S77	645	101/217.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:31
S78	53	(S76 S77) and (S66 with S67 with S70)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:31
S79	3073794	heat heated heating cool cooled cooling	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:35
S80	173	(S76 S77) and (S67 with S79)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:35
S81	133	S80 not S78	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:35
S82	337	101/488.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:56
S83	304	S82 not (S65 S73)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 09:56
S84	1066	101/407.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:00
S85	1061	S84 not (S82 S65 S73)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:01
S86	444	S71 not (S84 S82 S65 S73 S76 S77)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:09
S87	623	S77 not (S84 S82 S65 S73)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 10:16
S88	1120	S76 not (S77 S84 S82 S65 S73)	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 11:20
S89	2314609	plastic polymer thermoplastic	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 11:37

S90	60	(US-20070214988-\$ or US-20020066491-\$). did. or (US-6868782-\$ or US-6810800-\$ or US-6688223-\$ or US-6460611-\$ or US-6436022-\$ or US-6105651-\$ or US-5784957-\$ or US-5595115-\$ or US-5235912-\$ or US-5226365-\$ or US-5074213-\$ or US-4955268-\$ or US-4617864-\$ or US-3780796-\$ or US-3406748-\$ or US-5168808-\$ or US-5948448-\$ or US-5676754-\$ or US-5571563-\$ or US-5292298-\$ or US-4252184-\$ or US-4090553-\$ or US-4071081-\$ or US-6675876-\$ or US-4658486-\$ or US-7568428-\$).did. or (US-6821237-\$ or US-6708407-\$ or US-3659347-\$ or US-6085437-\$ or US-6397489-\$ or US-3562489-\$ or US-5887644-\$ or US-5111564-\$ or US-4285107-\$ or US-4074750-\$ or US-5404936-\$).did. or (US-3143637-\$ or US-2875985-\$ or US-3336648-\$ or US-1790700-\$).did. or (WO-9632536-\$).did. or (DE-19647067-\$ or GB-2207636-\$ or DE-3819391-\$ or DE-4036121-\$ or DE-4119824-\$ or DE-4119825-\$ or DE-4212790-\$ or DE-10305594-\$ or DE-19957847-\$ or DE-19957943-\$ or EP-179363-\$ or EP-557245-\$ or EP-	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2009/09/04 11:37
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		652104-\$ or WO-0126902-\$ or WO-0126903-\$ or DE-10139821-\$).did.				
S91	19	S89 and S90	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 11:37
S92	456	492/46.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 12:46
S93	143	S89 and S92	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 12:46
S94	1	"20030029603".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:42
S95	64	(US-20070214988-\$ or US-20020066491-\$ or US-20030029603-\$). did. or (US-6868782-\$ or US-6810800-\$ or US-6688223-\$ or US-6460611-\$ or US-6436022-\$ or US-6105651-\$ or US-5784957-\$ or US-5595115-\$ or US-5235912-\$ or US-5226365-\$ or US-5074213-\$ or US-4955268-\$ or US-4617864-\$ or US-3780796-\$ or US-3406748-\$ or US-5168808-\$ or US-5948448-\$ or US-5676754-\$ or US-5571563-\$ or US-5292298-\$ or US-4252184-\$ or US-4090553-\$ or US-4071081-\$ or US-6675876-\$ or US-4658486-\$ or US-7568428-\$).did. or (US-6821237-\$ or US-6708407-\$ or US-3659347-\$ or US-6085437-\$ or US-6397489-\$ or US-3562489-\$ or US-5887644-\$ or US-5111564-\$ or US-4285107-\$ or US-4074750-\$ or US-5404936-\$ or US-6683284-\$ or US-6129652-\$ or US-	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2009/09/04 15:49

		5549154-\$).did. or (US-3143637-\$ or US-2875985-\$ or US-3336648-\$ or US-1790700-\$).did. or (WO-9632536-\$).did. or (DE-19647067-\$ or GB-2207636-\$ or DE-3819391-\$ or DE-4036121-\$ or DE-4119824-\$ or DE-4119825-\$ or DE-4212790-\$ or DE-10305594-\$ or DE-19957847-\$ or DE-19957943-\$ or EP-179363-\$ or EP-557245-\$ or EP-652104-\$ or WO-0126902-\$ or WO-0126903-\$ or DE-10139821-\$).did.				
S96	1363336	glass	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:49
S97	5	S95 and S96	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/04 15:49

EAST Search History (Interference)

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9/ 4/ 2009 5:42:47 PM

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